Work Orde ı Wednesday, Augu	r ID 73337 st 31, 2011 11:04:	13 AM									Page 1
Revision ID:	03414-041			Accept				s s	etup Sta		
		Qty: 10.00 1 Qty: 10.00			Cust Item I Customer:	D:			Sto	P	
	Process Plan:		_			ate:		R	tun Sta Sto		
Sequence ID/ Work Center ID	Opera Descri		·	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision N	br	i	 							<u> </u>
D3414	Rev C										
Waterjet FLOW CNC Waterjet		Memo 1-Cut as pe Dwg Rev: Prog Rev: 2-Deburr if		 0.00				B1+-	<u>4-8</u>	(3))

0.00

0.00

1B11-9-9

110

QC

Quality Control

QC2- Inspect parts off machine FAI/FAIB

Memo

Dart	Aeros	space	Ltd
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W/O:			W	ORK ORDER CI	HANGES					,
DATE	STEP	PROC	EDURE CH	ANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No:	·	PAR #:	_ Fault Ca	tegory:	NC	R: Yes I	No DQA	ı:	_ Date: _	
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NCR:		W	ORK OR	DER NON-CONF	ORMANCE	(NCR)	-		
DATE	STEP	Description of NC		Corrective Action	Section B		Verifica		Approval	Approval
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Work Order ID 73337

Wednesday, August 31, 2011 11:04:13 AM



Page 2

Item ID:

D3414-041

Accept

Setup Start

Revision ID:

Item Name:

Lug Assembly

Start Date: 9/1/2011 **Required Date: 9/15/2011**

Start Oty: 10.00

Req'd Qty: 10.00

Cust Item ID: Customer:

Tool ID

Reference:

Approvals:

Process Plan:

Date: _____

Date:

Tooling:

SPC (Y/N):

Date: Date:

Code

Tool # Plan

Reject

Qty



Sequence ID/

Work Center ID

120

OC

Operation Description

QC8- Inspect parts - second check

Memo

Set Up/ **Run Hours**

o woolog 0.00

Run

Accept

Qty

Start Stop

Stop



Insp.

Stamp

Reject

Number

Quality Control

Brake NC Brake NC

130

Memo 1-Deburr

2-Form using DT8254 as per Dwg D3414

0.00

0.00

Sis ulagliz

140

Large Fab

Large Fab

Memo

0.00

0.00

1- Weld using location Jig DT9625 as per Dwg D3414 A/R S.S. welding rod Batch: MI 17 659

EL 11-9-13



Dart Aeı	rospace	Ltd							
W/O:			W	ORK ORDER CHANGES)				
DATE	STEP	PROC	CEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #:	Fault Cat	degory:	NCR: Yes	No DQA	\ :	Date: _	
	Re	esolution:	Disposit	ion:	QA: N/C CI	osed:		Date: _	
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		Description of NC	***	Corrective Action Section I		Verific	ation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8	Section		Chief Eng	QC Inspector
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		Description of NC		Corrective Action Section B		Verification	Ammuoval	Approval
DATE	STEP	Description of NC Section A	Initial Chief Eng	Action Description Chief Eng	Action Description Chief Eng Date		Approval Chief Eng	QC Inspector
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Work Order ID 73337

Wednesday, August 31, 2011 11:04:13 AM



Page 3

Item ID:

D3414-041

Accept

Setup

Start

Stop



Revision ID:

Item Name:

Lug Assembly

Start Date: Required Date: 9/15/2011

9/1/2011

Start Qty: 10.00

Reg'd Oty: 10.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Date:

Start Run



Memo

Memo

Date: _____

SPC(Y/N):

Tool # Plan

Accept

Reject Qty

Stop

Insp.

Sequence ID/ **Work Center ID**

150

Quality Control

Operation Description

QC9- Inspect visual per QSI004- Fusion Welds

0.00

0.00

Set Up/

Run Hours

Tool ID

Code

Qty

Reject Number

Stamp

160



Quality Control

QC5- Inspect part completeness to step on W/O

5 wlor (4

170



Powder Coating

White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum

0.00

Memo

START TIME:

OVEN TEMPERATURE: FINISH TIME:

12 PM & 4/01/14

Dart Aerospace Ltd

W/O:			WC	ORK ORDER CH	HANGES					
DATE	STEP	PRO	OCEDURE CHA	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	•	PAR #:	Fault Cate	gory:	NC	R: Yes	No DQA	\ :	_ Date: _	
	R	esolution:	Disposition	n:	QA	: N/C Cle	osed:		Date: _	
NCR:			WORK ORD	ER NON-CONF	ORMANCI	E (NCR)			
DATE	STEP	Description of NC		Corrective Action	Section B		Verific	ation	Approval	Approval
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Work Order ID 73337

Wednesday, August 31, 2011 11:04:13 AM



Page 4

Item ID:

D3414-041

Accept

Setup Start

Stop



Revision ID:

Item Name:

Start Date:

Lug Assembly

9/1/2011

Start Oty: 10.00 Req'd Qty: 10.00

Operation

Description

Cust Item ID:

Customer:

Tool ID

Reference:

Approvals:

Process Plan:

Date: _____

Tooling:

Set Up/

Run Hours

Date:

Tool # Plan

Code

Start

Stop



Sequence ID/

Required Date: 9/15/2011

Date: _____

SPC (Y/N):

Date:

Qty

Run

Reject Reject

Insp. Stamp

Work Center ID

180

Memo

QC3- Inspect Part Finish

0.00

0.00

Accept

Oty

Number

Quality Control

190

Packaging Packaging

Identify as per dwg & Stock Location: \$7 478

Memo



0.00

0.00

200

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

Dart Aerospace Ltd

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W/O:		**************************************	W	ORK ORDER CHANG	ES				
DATE	STEP	PRO	CEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #:	Fault Cat	legory:	NCR: Yes	No DQ	A:	Date: _	
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DATE	STEP	Description of NC			tion B	Verifi	cation	Approval	Approval
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Picklist Print

Wednesday, August 31, 2011 11:04:09 AM

Work Order ID: 73337

Parent Item: D3414-041

Parent Item Name: Lug Assembly



Start Date: 9/1/2011

Required Date: 9/15/2011

Page 1

Start Qty: 10.00

Required Qty: 10.00

റ	mi	me	nte	•

IPP A□05.09.13□New issue□KJ/JLM□

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seg ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Status Issued
M304S12GA	18111 88811 181 1881	Purchased	No			100	sf	141.5800	0.155	1.55 (B	J. (1-9-8	
				Location		Loc	Qty	Loc Code				
				MAT019		1-	41.58					
					113062		118.3				_	
					113077		23.28			13077	_	
D3414-3		Manufactured	No			140	Each	40.0000	 1 ء	10	_	
 Jug										Ð	11	9-12
				Location		Loc	Qty	Loc Code	,			
				WA030			40				_	
					72327		40			11		

D	art	Aer	osp	ace	Ltd
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Part No	:	PAR #:	Fault Categ	jory:	NCR: Ye	s No De	QA:	Date: _	
	Res	solution:	Disposition	l:	QA: N/C	Closed: _		Date: _	·
NCR:			WORK ORDE	R NON-CONFORM	ANCE (NO	R)		· · · · · · · · ·	
DATE	CTED	Description of NC			ection B	Veri	fication	Approval	Approval
DATE	STEP	Section A	Initial Action Descript Chief Eng Chief Eng		Sigr Da	Դ& ∣ _{Se}	ction C	Chief Eng	QC Inspector
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	Work Order:	73337
Description: Lug Bracket	Part Number:	D3414-1
Inspection Dwg: D3414 Rev: C		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X First Article X Prototype

Drawing		Actual		Method of	
Dimension	Tolerance	Dimension	Accept	Reject Inspection	
Ø0.313	+0.006/-0.001	314	*	V B02	
1.19	+/-0.030	1.186	×	V	
1.00	+/-0.030	(,00)	≯	V	
3.38	+/-0.030	3.368	4	V	
5.350	+/-0.010	125.2	>	V	
6.23	+/-0.030	666.0	>	V	
2.500	+/-0.010	2.498	₩	V	
0.37	+/-0.030	370	<u>></u>	V	
0.100	+/-0.010	.103	>	V	
					.,

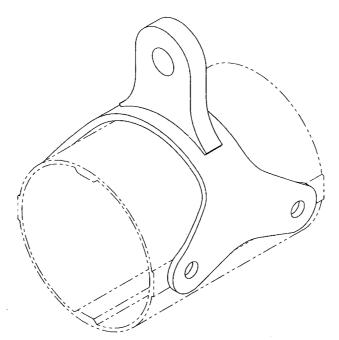
Measured by: R	Audited by:	Prototype Approval:	N/A
Date: 11-9-9	Date: ulorlog	Date:	N/A

Rev	Date	Change	Revised by	Approved
Α	08.02.28	New Issue P/O D3414-041	KJ/DD	
В	09.05.27	Dimensions updated per Dwg Rev B	KJ 10	
С	09.10.16	Dwg Rev updated to Rev C	KJ X	M
				14

Dart Ae	rospace Li	td							
W/O:			WORK ORDER	CHANGES					
DATE	STEP	PRO	CEDURE CHANGE		Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
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Part No	:	PAR #:	Disposition: QA: N/C Closed: Date: By Date Qty Approval Chief Eng / Prod Mgr QC Inspection QC Ins	I					
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DATE	STEP	Description of NC	Corrective Action Do		Sign	verific	cation	Approval	Approval

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section B		Verification	Ammuoval	Approval		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	QC Inspecto		
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No. QTY.		PART NUMBER	DESCRIPTION
1	х	D3414-041	LUG ASSEMBLY
2	1	D3414-1	LUG BRACKET
3	1	D3414-3	LUG



D3414-041 LUG ASSEMBLY

NOTES:
1) MATERIAL: N/A
2) FINISH: POWDER COAT WHITE (4.3.5.2) PER DART QSI 005 4.3
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3414-041" USING FINE POINT PERMANENT INK MARKER
7) WEIGHT: 0.52 lbs

REV.		DESCRIPTION	BY	DATE
Α	NEW ISSUE		СР	05.03.16
В	STANDARDS AND TR FLAT PATTERN FOR PREVENT FOULING A REMOVED FROM -1 (IN SOLIDWORKS WITH CURRENT ANSFERED TO "B' SIZE BORDER. 1 INCREASED IN LENGTH TO 1 INCREASED IN LENGTH TO SPOTS PART NOW 'U' SHAPED) FOR EASE 37-3 ADDED TOLERANCE TO 3,230 AS 1,20.	AJS:	08.09.23
С	BREAK SHARP EDGE 0.010-0.030 (ZN A7-3)	S FOR -3 NOW 0.030-0.060 WAS	СР	09.06.17

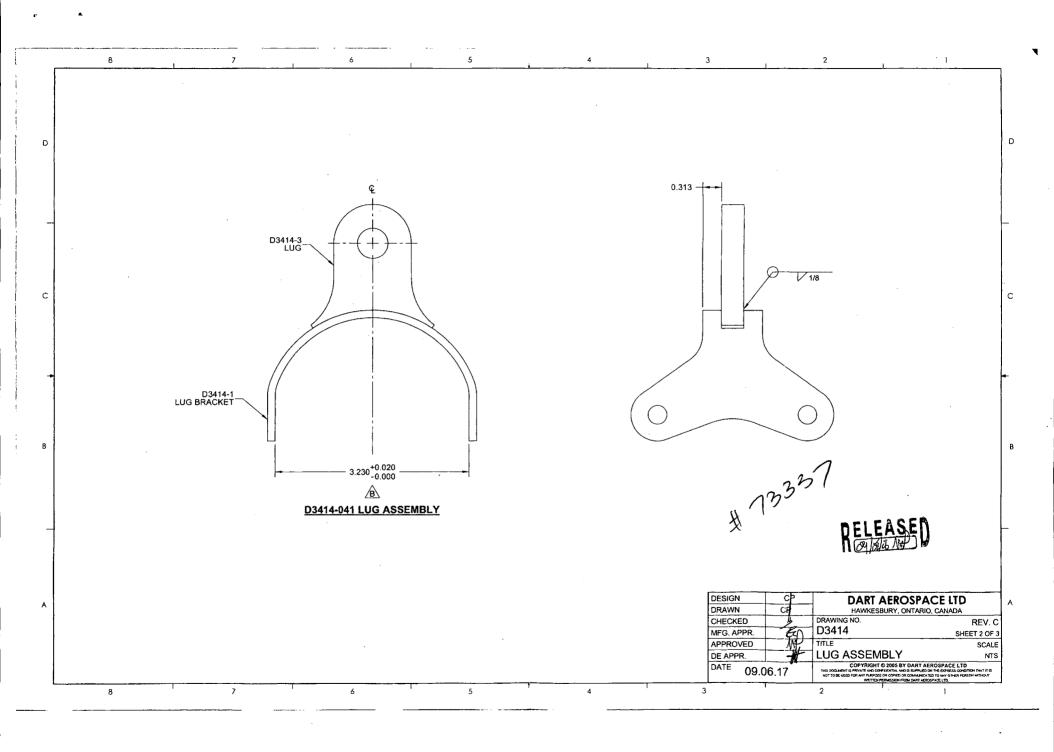
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DESIGN	ďР	DART AEROSE	ACEL	TD
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CHECKED		DRAWING NO.		REV. C
MFG. APPR.	E	D3414		SHEET 1 OF 3
APPROVED	W	TITLE		SCALE
DE APPR.	4	LUG ASSEMBLY		NTS
DATE 09.0	06 17	COPYRIGHT © 2005 BY DAR		

Dart Aerospace Ltd

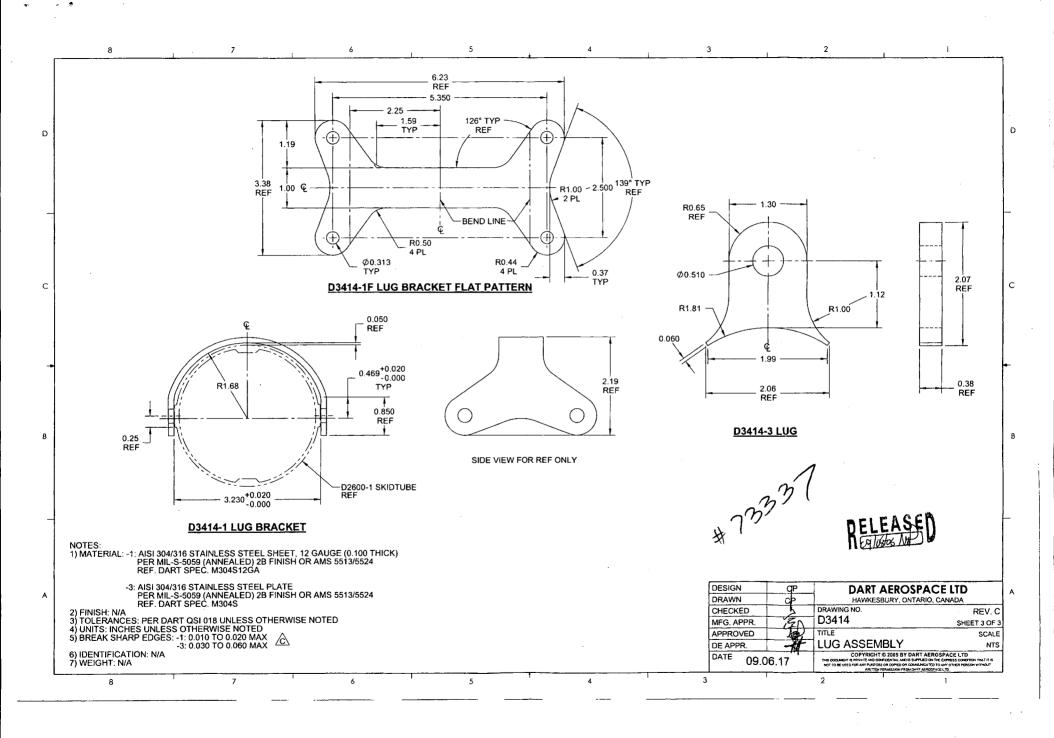
W/O:		WORK ORDER C	HANGES				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No		PAR #: Fault Category:	NCR: Ve	s No DC	Δ.	Date:	

Part No:		PAR #:	Fault Category:	NCR: Yes No	DQA:	Date:
	Resolution:		Disposition:	QA: N/C Closed	l:	Date:

NCR:	WORK ORDER NON-CONFORMANCE (NCR)							
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W/O:			V	ORK OR	DER CHANG	ES					
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*											
Part No:		PAR #:	_ Fault Ca	tegory:		_ NCF	R: Yes N	lo DQ A	\:	_ Date: _	
			Disposition: Q/							Date:	
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DATE	STEP	Description of NC Section A	Corrective Action Section B			tion B	Verifica			Approval	Approval
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